

Converting Colors

$Y_{xy}(31.7711, 0.3304, 0.3291)$

Have a look what the booklet for
Yxy(31.7711, 0.3304, 0.3291)
contains.

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Color

Yxy(31.7718, 0.3304, 0.3291)

Conversions

Conversions Part 1

Format	Color
Hex	A69595
RGB	166, 149, 149
RGB Percent	65%, 58%, 58%
CMY	0.3490, 0.4157, 0.4158
CMYK	0.00, 0.10, 0.10, 0.35
HSL	0°, 9%, 62%
HSV	0°, 10%, 65%
XYZ	31.8973, 31.7718, 32.8724
YIQ	154.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

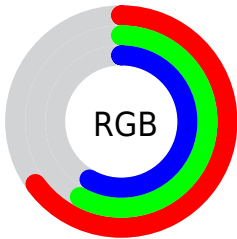
Format	Color
R _Y B	166, 149, 149
Decimal	10917269
CIE Lab	63.15, 6.28, 2.30
CIE LCh	63, 6.691, 20.128
Yxy	31.7718, 0.3304, 0.3291
Android (android.graphics.Color)	4289107349 (0xFFA69595)
YUV	154.0830, -2.5059, 10.4512
Hunter-Lab	56.3665, 2.3703, 4.8792

Details

The Yxy color **31.7718, 0.3304, 0.3291** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4031, 0.2973, 0.3289**, and the grayscale version is **32.3614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3958, 0.3267, 0.3290**, and **13.1946, 0.3370, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **26.4053, 0.3520, 0.3292**, and if you desaturate by 10%, it is **37.9625, 0.3131, 0.3290**.

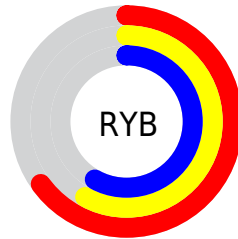
Distribution



Red (65%)

Green (58%)

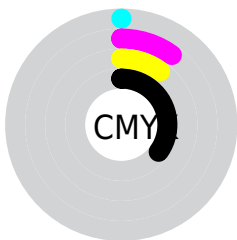
Blue (58%)



Red (65%)

Yellow (58%)

Blue (58%)

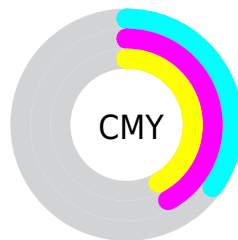


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (35%)



Cyan (35%)

Magenta (42%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7718, 0.3304, 0.3291 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 31.7718, 0.3304, 0.3291 by changing the saturation by 10% instead.


 31.7718, 0.3304,
0.3291


 31.7718, 0.3304,
0.3291


310.0784, 0.3210,
0.3291

 21.1873, 0.3330,
0.3291


 62.4532, 0.3268,
0.3291

 13.2609, 0.3364,
0.3290

 83.3188, 0.3255,
0.3291

 7.6085, 0.3413,
0.3289


108.3802, 0.3244,
0.3291

 3.8455, 0.3487,
0.3288

138.0219, 0.3235,
0.3291

 1.5875, 0.3612,
0.3283

172.6281, 0.3227,
0.3291

 0.3491, 0.4606,
0.3314

212.5834, 0.3221,

 0.0000, 0.0000,


0.3291

0.0000

258.2720, 0.3215,
0.3291


 31.7718, 0.3304,
0.3291


 31.7718, 0.3304,
0.3291


 26.4053, 0.3520,
0.3292

 37.9625, 0.3131,
0.3290

 21.8242, 0.3787,
0.3294


 45.0055, 0.2992,
0.3289


 17.9930, 0.4116,
0.3295

 52.9330, 0.2880,
0.3288

 14.8717, 0.4510,
0.3297

 61.7743, 0.2790,
0.3288

 12.4168, 0.4959,
0.3298

 71.5570, 0.2715,
0.3287

■ 10.5798, 0.5431,
0.3300

■ 82.3079, 0.2654,
0.3287

■ 9.3058, 0.5867,
0.3300

■ 86.8478, 0.2633,
0.3289

■ 8.5302, 0.6197,
0.3301

■ 8.1151, 0.6399,
0.3301

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.7718, 0.3223, 0.3202



31.7718, 0.3304, 0.3291



31.7718, 0.3337, 0.3382

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.7718, 0.3304, 0.3291



31.7718, 0.3134, 0.3451



31.7718, 0.2945, 0.3130

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.7718, 0.3304, 0.3291



36.4031, 0.2973, 0.3289

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.7718, 0.2922, 0.3193



31.7718, 0.3304, 0.3291



31.7718, 0.3031, 0.3381

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.7718, 0.3304, 0.3291



31.7718, 0.3238, 0.3476



31.7718, 0.2953, 0.3285



31.7718, 0.3016, 0.3109

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.7718, 0.3304, 0.3291



31.7718, 0.3327, 0.3431



31.7718, 0.2953, 0.3285



31.7718, 0.2931, 0.3147

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.7732, 0.3304, 0.3291



65.6009, 0.3176, 0.3290



32.3469, 0.3139, 0.3044



14.4768, 0.3189, 0.3290



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.7732, 0.3304, 0.3291



55.6346, 0.3343, 0.3291



34.5566, 0.3290, 0.3415



7.5446, 0.3286, 0.3291



6.2930, 0.6399, 0.3301



0.1538, 0.6390, 0.3308

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.4031, 0.2973, 0.3289



65.5095, 0.2944, 0.3289



33.4201, 0.2972, 0.3162



8.5294, 0.2987, 0.3289



23.1905, 0.2245, 0.3281



0.5650, 0.2246, 0.3284

Previews

White Background



This preview shows how the Yxy color 31.7718, 0.3304, 0.3291 looks on a white background.

Color Contrast Check

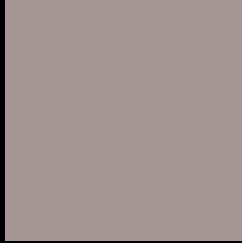
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 31.7718, 0.3304, 0.3291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

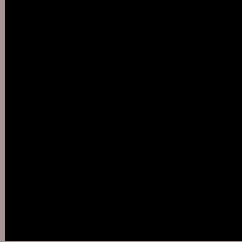
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7718, 0.3304, 0.3291

Background



This preview shows how black text looks on a background with the Yxy color 31.7718, 0.3304, 0.3291.



This preview shows how white text looks on a background with the Yxy color 31.7718, 0.3304, 0.3291.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.7718, 0.3304, 0.3291

Protanopia

31.7588, 0.3177, 0.3305

Deuteranopia

31.7848, 0.3337, 0.3276



Tritanopia

31.5861, 0.3218, 0.3115

Trichromacy



Original Color

31.7718, 0.3304, 0.3291

Protanomaly

31.8088, 0.3228, 0.3305

Deuteranomaly

31.6746, 0.3326, 0.3276

Tritanomaly

31.7619, 0.3256, 0.3188

Monochromacy



Original Color

31.7718, 0.3304, 0.3291

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.9926, 0.3188, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7718, 0.3304, 0.3291 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 149, 149)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 149)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 149, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 149) }
```

Border

The CSS property to change the border of an element to Yxy 31.7718, 0.3304, 0.3291 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 149, 149) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 149, 149) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(166, 149, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 149, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 149, 149); box-shadow:4px 4px 4px 4px rgb(166, 149, 149) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7718, 0.3304, 0.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 149) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
149, 149) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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